

Appl. No. 10/815,472
Amtd. dated 1/30/2006
Reply to the Office Action of 11/29/2005

Listing of Claims:

Please cancel claims 14-20 without prejudice.

1. (Original) An electronic component comprising:

a substrate and at least two piezoelectric resonators each having an active element, a lower electrode and an upper electrode, wherein the lower electrode of the first resonator is made of a material that is different from that of the lower electrode of the second resonator such that the resonators exhibit different resonance frequencies.

2. (Original) The electronic component according to Claim 1, wherein the resonance frequencies differ by at least 10%.

3. (Original) The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the lower electrode of a first resonator being of different thickness from that of the lower electrode of a second resonator.

4. (Original) The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the upper electrode of a first resonator being made of a material that is different from that of the upper electrode of a second resonator.

5. (Original) The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the upper electrode of a first resonator being of thickness that is different from that of the upper electrode of a second resonator.

6. (Original) The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the active element of a first

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resonator being made of a material that is different from that of the active element of a second resonator.

7. **(Original)** The electronic component according to Claim 1, wherein each resonator includes a lower electrode, an active element and an upper electrode, the active element of a first resonator being of thickness that is different from that of the active element of a second resonator.

8. **(Original)** The electronic component according to Claim 1, wherein it includes at least three resonators exhibiting resonance frequencies belonging to at least three different frequency bands.

9. **(Original)** The electronic component according to Claim 1, wherein it includes four resonators exhibiting resonance frequencies belonging to four different frequency bands.

10. **(Original)** The electronic component according to Claim 1, wherein the electrodes are made of a material chosen from aluminum, copper, molybdenum, nickel, titanium, niobium, silver, gold, tantalum, lanthanum, platinum and tungsten.

11. **(Original)** The electronic component according to Claim 1, wherein the active element includes crystalline aluminum nitride, zinc oxide, zinc sulphide, ceramic including LiTaO_3 , LiNbO_3 , PbTiO_3 , PbZrTiO_3 , KNbO_3 and/or lanthanum.

12. **(Original)** The electronic component according to Claim 1, wherein the active element has a thickness of between 0.5 and 5 μm , preferably between 1 and 3 μm .

13. **(Original)** The electronic component according to Claim 1, wherein the electrodes have a thickness of less than 1 μm , preferably less than 0.3 μm .

Claims 14-20. (Cancelled)